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⑤4 Coding apparatus.

⑦ A coding apparatus for digital video signals employing orthogonal transformation means followed by hierarchical coding is provided with means to affect the output data rate by altering/adapting the amounts of the transform coefficients in the respective layers.

In a first embodiment, the types of layers are:
DC, 4x4, 8x8.

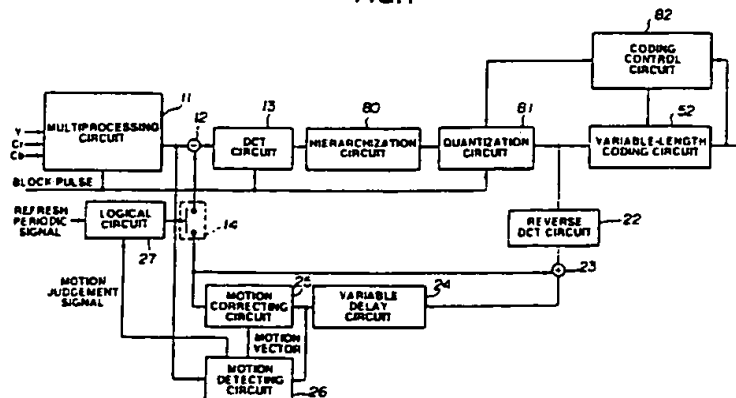
In a second embodiment, the amount of code is adaptively allocated to the respective layers.

In a third embodiment, the quantization coefficients are reexamined in order to control a "final" quantizer.

In a fourth embodiment, the motion vector decides on the types of layers: either 2x2, 4x4, 8x8 or DC, 4x4, 8x8.

In a fifth embodiment, the motion vector undergoes hierarchical processing as well.

FIG. 1



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EUROPEAN SEARCH REPORT

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DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.5)
A	US-A-5 111 292 (KURIACOSE ET AL) * column 3, line 51 - column 4, line 61 * * column 9, line 59 - column 10, line 56 * * figures 1,4-5 * ---	1,2,6,9, 10,13	H04N7/13
A	IEEE TRANSACTIONS ON COMMUNICATIONS, vol.40, no.9, September 1992, NEW YORK US pages 1491 - 1501, XP000331081 CHEN ET AL 'A Robust Coding Scheme for Packet Video' * page 1492, right column, last paragraph - page 1494, right column, last paragraph * * figures 1-3,9 *	1-3,6,7, 9,10,13	
A	IEEE GLOBAL TELECOMMUNICATIONS CONFERENCE & EXHIBITION, vol.2, 1988, HOLLYWOOD, FLA, US pages 743 - 749 TZOU ET AL 'COMPATIBLE HDTV CODING FOR BROADBAND ISDN' * page 744, right column, paragraph 2 - page 746, left column, paragraph 3 * * figure 3 * -----	1-4,6,7, 9,10,13	
			TECHNICAL FIELDS SEARCHED (Int. Cl.5)
			H04N
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 11 October 1994	Examiner Dippel, U
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons ----- & : member of the same patent family, corresponding document	